

L. TYPHOON OLGA (080000Z-100600Z SEPTEMBER 1961)

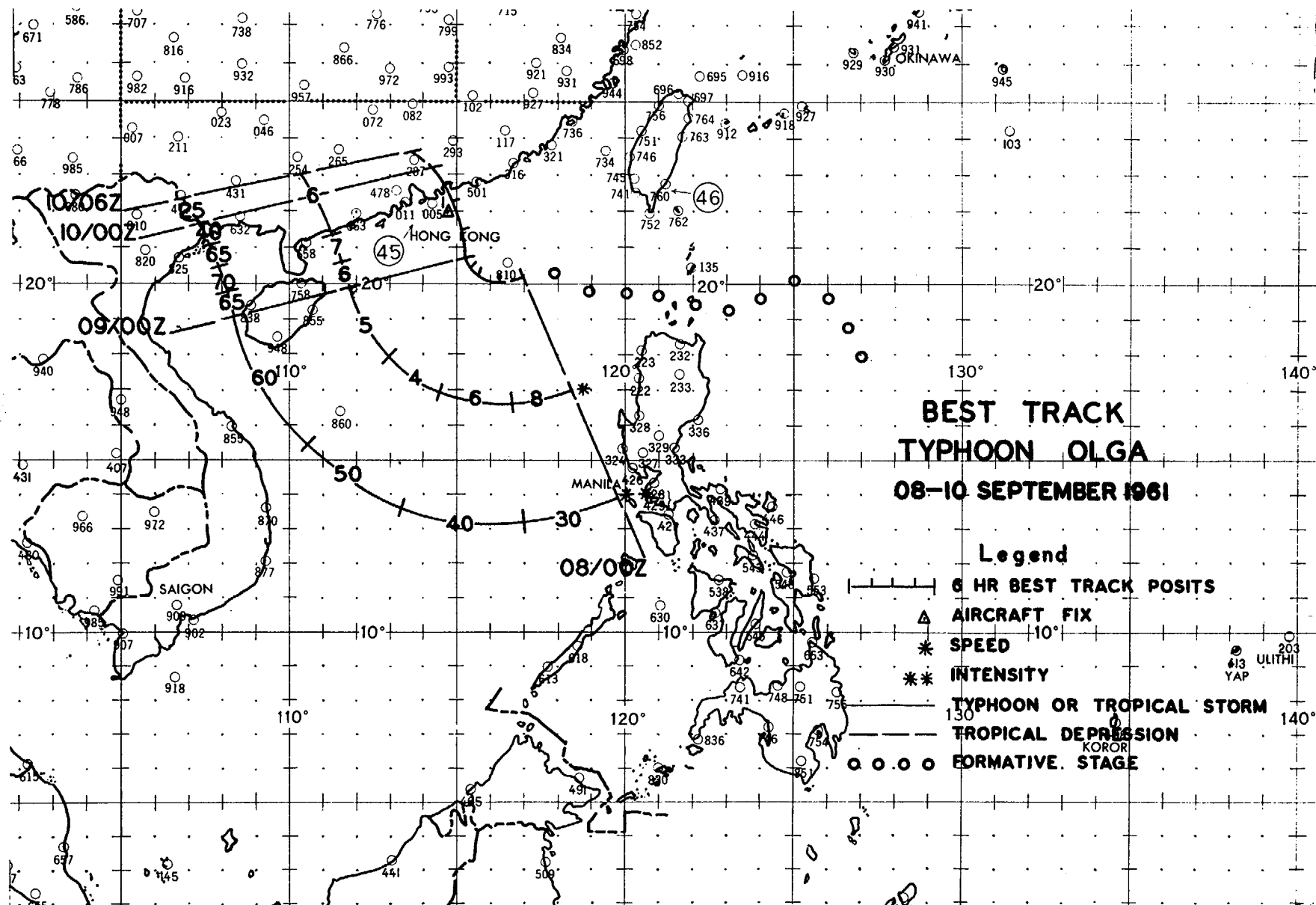
THE FORMATION OF THE LOW WHICH ULTIMATELY BECAME OLGA OCCURRED ALONG THE INTERTROPICAL CONVERGENCE ZONE E OF THE PHILIPPINE ISLANDS. FROM ITS ORIGIN IT DRIFTED SLOWLY WESTWARD WITH NO NOTICEABLE INTENSIFICATION UNTIL IT CROSSED INTO THE SOUTH CHINA SEA. ON 7 SEPTEMBER SHIP REPORTS INDICATED THAT THE SLP WAS BEGINNING TO DROP AND THE PERIPHERAL WINDS WERE INCREASING. THUS AT 080000Z JTWC ISSUED THE FIRST WARNING ON TROPICAL DEPRESSION 27.

THE AREA OF CYCLONIC CIRCULATION CONTINUED TO INCREASE AND BECOME MORE WELL DEFINED. AT 080600Z THE SYSTEM WAS UPGRADED TO A TROPICAL STORM AND ASSIGNED THE NAME OLGA. THE 081200Z 200 MB ANALYSIS INDICATED A MARKED TRANSITION TAKING PLACE IN THE SUBTROPICAL RIDGE. THE ANTICYCLONIC OUTDRAFT WHICH WAS LOCATED NE OF OLGA BROKE DOWN CAUSING THE RIDGE AXIS TO SHIFT TO THE S. IT WAS AT THIS TIME THAT OLGA MADE AN ABRUPT CHANGE FROM HER WESTERLY TRACK AND TURNED TOWARD THE N. THIS TURN WAS FORECAST PERFECTLY BY THE JOINT NUMERICAL WEATHER PREDICTION UNIT, SUITLAND, MD. OF ALL JNWP FORECASTS RECEIVED, THE ONE FOR OLGA VERIFIED CLOSEST TO THE BEST TRACK.

OLGA CONTINUED TO INTENSIFY AND WAS UPGRADED TO A TYPHOON AT 090000Z. AFTER REACHING THE MAXIMUM STRENGTH OF 70 KTS SHORTLY AFTER 090600Z OLGA STARTED TO WEAKEN SLIGHTLY BECAUSE OF HER PROXIMITY TO LAND. SHE ENTERED THE ASIATIC MAINLAND APPROXIMATELY 30 MI NE OF HONG KONG AT 091800Z. AT THE TIME OF HER PASSAGE OVER THE COASTLINE OLGA WAS STILL OF TYPHOON STRENGTH, BUT SHE WEAKENED RAPIDLY, AND THE FINAL WARNING WAS ISSUED AT 100600Z.

ONLY TEN WARNINGS WERE ISSUED ON OLGA, COVERING A PERIOD OF 2 DAYS AND 6 HOURS. SHE TRAVELED 325 MI AT AN AVERAGE SPEED OF 6 KTS. ALTHOUGH SHOWING AN ABRUPT CHANGE OF DIRECTION, OLGA'S TRACK IS NOT MARKEDLY DIFFERENT FROM OTHER TYPHOONS WHICH HAVE OCCURRED NEAR HONG KONG DURING PREVIOUS SEPTEMBERS.

STRONG WINDS AND HEAVY RAIN AFFECTED HONG KONG AND THE ASIATIC MAINLAND DURING THE LIFE OF OLGA AND 5 DEATHS WERE REPORTED AS A RESULT OF LANDSLIDES. A 300 TON FISHING TRAWLER BROKE LOOSE, DRIFTED AWAY AND CAPSIZED. RESCUE PARTIES SAVED ALL ABOARD. AIRLINE AND FERRY SERVICES WERE DISRUPTED, SOME TREES UPROOTED AND THE STREETS OF HONG KONG WERE LITTERED WITH DEBRIS. SOME CROP DAMAGE WAS REPORTED ON THE ASIATIC MAINLAND AND ABOUT 70 PEOPLE TOOK ADVANTAGE OF THE TYPHOON AND SOUGHT REFUGE IN HONG KONG.



LAND RADAR AND AIRCRAFT FIXES - TYPHOON OLGA

FIX NO.	TIME	LAT.	LONG.	UNIT METHOD & ACCY	MAX SFC WND	MAX 700MB WND	MIN 700MB HGT	MIN SLP MBS	700MB T/T _D (°C)	EYE CHARACTERISTICS
1	090930Z	22.0N	114.8E	USN-EST	---	---	----	---	-----	-----

**TYPHOON DLGA 08-10 SEP 1961
POSITION AND FORECAST VERIFICATION DATA**

DTG	STORM POSITION		24 HR. ERROR	48 HR. ERROR
	LAT.	LONG.	DEG. DISTANCE	DEG. DISTANCE
080000Z	20.2N	117.0E	-----	-----
080600Z	20.0N	116.2E	-----	-----
081200Z	20.1N	115.5E	-----	-----
081800Z	20.4N	115.3E	-----	-----
090000Z	20.9N	115.2E	-----	-----
090600Z	21.5N	115.2E	245-188	-----
091200Z	22.2N	114.9E	271-150	-----
091800Z	22.7N	114.7E	262-200	-----
100000Z	23.2N	114.3E	239-116	-----
100600Z	23.6N	113.7E	169-122	239-353

AVERAGE 24 HOUR ERROR 155 MI
AVERAGE 48 HOUR ERROR 353 MI

